

Notice of Allowability

Application No.

10/779,777

Examiner

Tran N. Nguyen

Applicant(s)

CHOU ET AL.

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/26/06.
2. ☒ The allowed claim(s) is/are 1-6, 8, 20 and 21.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Tran N. Nguyen
Primary Examiner
Art Unit: 2834

DETAILED OFFICE ACTION

Drawings

The drawings filed on 2/18/04 are accepted and approved.

Allowable Subject Matter

Claims 1-6, 8, 20-21 are allowed.

Reason for Allowability

The following is an examiner's statement of reasons for allowance: in combination with other limitations recited in the claims, the primary reason for the allowance is the including the following inventive features of a rotor adapted to be used in a fan, comprising: a hub; a metal plate having a first end and a second end to be disposed in the hub; and a magnet disposed in the metal plate, wherein the metal plate further comprises salient teeth (536) and the hub has a recess (516) engaging the salient teeth to shape the metal plate into a ring, as in claims 1 and 20,

alternately wherein the metal plate having a first end and a second end to be disposed in the hub and comprising a serrated edge; and a magnet disposed in the metal plate, wherein the serrated edge supports the magnet, as in claim 21.

Comparing to the prior-art of the record, the most relevant ref is US 5998902 to Sleder discloses a rotor assembly having a metal ring, not a metal plate with two ends, as in the present invention. The Sleder's metal ring is provided with projections (14) inserted into the recess (41, 42) respectively for completely push the magnet rotor assembly 30 axially into the flywheel 34 in a direction parallel to axis 52 for causing elastically deflect in a radially inward direction in response to the contact between the locking protrusions 18 and the internal cylindrical surface 50, so that the effective diameter of the ring 30, measured at the locking protrusions 18 is decreased by this elastic deflection.

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Unlike Sleder's metal ring which is already shaped as a circular ring when assembled to the hub, the present invention having a metal plate with two ends formed into salient teeth, i.e., projections, being inserted into the hub recess in order to form a snugly fit metal ring.

Thus, none of the prior art references of the record, either stand alone or in combination, has taught or suggest the above-mentioned features in combination with other limitations recited in the claims.

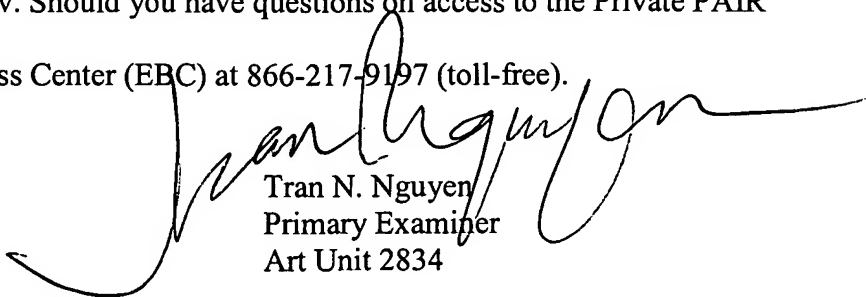
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tran N. Nguyen whose telephone number is (571) 272-2030. The examiner can normally be reached on M-F 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on (571)-272-2045. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tran N. Nguyen
Primary Examiner
Art Unit 2834